

JOINT MESSAGEFORM - CONTINUATION SHEET		SECURITY CLASSIFICATION			
FROM:					
ACTION: PRIORITY					
25X1	FROM: [REDACTED]	1 SIG CEN 1 CMDR 1 DCM 1 INS 1 DCO			
25X1	TO: [REDACTED]				
25X1	INFO: PRIORITY [REDACTED]				
25X1	SUBJ: [REDACTED]				
	A. MISSION NR 6733				
	B. FINAL EVALUATION OF INS DATA				
	C. INS #10				
	D. DATA STARTS LINE 12, TIME 02086.				
	E. DATA ENDS LINE 1103, TIME 16580.				
	END OF MESSAGE				
25X1	[REDACTED]	29 OCT, 1967			
	SUPERVISOR				
	SYMBOL	PAGE NR	NR OF PAGES	SECURITY CLASSIFICATION	INITIALS
		1	1		

DD FORM 173-1
1 MAY 55

★ U. S. GOVERNMENT PRINTING OFFICE: 1962—644744

Page Denied

Next 2 Page(s) In Document Denied

Sanitized Copy Approved for Release 2009/12/14 : CIA-RDP69B00041R001100030015-8

25X1 S E C R E T 020637Z CITE [REDACTED] 6876

25X1 IMMEDIATE [REDACTED]

25X1
25X1
25X1 REF [REDACTED] 6835

25X1

1-EO
2-DCM

ADD TO THE TABULATED SIGNALS IN THE REFERENCED MESSAGE
THE FOLLOWING SIGNALS IDENTIFIED ON REVIEW:

25X1

FOE C R E T

BT

Sanitized Copy Approved for Release 2009/12/14 : CIA-RDP69B00041R001100030015-8

PR1
BX6733

Sanitized Copy Approved for Release 2009/12/14 : CIA-RDP69B00041R001100030015-8

TOP SECRET

TYPE 1 CAMERA EXPOSURE NUMBERS

TIME (MIN)	ALTITUDE (FEET)	TERR ELEV	INPUT DATA			V/H	EXP NOS	OUTPUT DATA
			D VALUE	GRD SPD	SUN ANG	HAZE FCTR	REFL FCTR	
00	78200	0100		1793	58	1	I	3.873 08 THTS IS A BX6733 MESSAGE
25X15	78500	0050		1796	56	1	I	3.863 08 PRIMARY AIRCRAFT
06	78800	0000		1801	55	1	I	3.857 08 TYPE I PACKAGE
09	79100	0100		1803	54	1	I	3.852 08 TRUE ALTITUDES ARE USED
12	79500	2100		1808	54	1	I	CUSTOM ROUTE
15	79900	1610		1797	53	1	I	3.873 08 STBY 2 1651N 11406E 409
18	80300	2000		1795	52	1	I	3.868 08 CAM ON 1506N 10747E 1+235
21	79000	0200		1770	55	1	I	3.791 08 STBY 2 2014N 10138E 1+432
24	79300	0080		1770	55	1	I	CAM ON 211PN 10209E 2+384
27	79600	0840		1736	55	1	I	3.720 08 STBY 2 1712N 10820E 2+396
30	80000	0000		1736	55	1	I	3.662 08
33	80400	0000		1736	55	1	I	3.644 08
36	79900	0000		1791	56	1	I	3.782 08 TOTAL CAM TIME 41 MINS
39	78400	0000		1791	56	1	I	3.855 08

✓

25X1-

EOF

BACKUP
BX6733

Sanitized Copy Approved for Release 2009/12/14 : CIA-RDP69B00041R001100030015-8

TOP SECRET

TYPE 1 CAMERA EXPOSURE NUMBERS

TIME (MIN)	ALTITUDE (FEET)	TERR ELEV	D VALUE	GRD SPD	SUN ANG	HAZE FCTR	REFL FCTR	V/H	EXP NOS	*	OUTPUT DATA
00	78200	0100		1793	58	1	I	3.873	08		THIS IS A BX6733 MESSAGE
25X1											BACKUP AIRCRAFT
03	78500	0050		1796	57	1	I	3.863	08		
06	78800	0000		1801	56	1	I	3.857	08		TYPE I PACKAGE
09	79100	0100		1803	56	1	I	3.852	08		TRUE ALTITUDES ARE USED
12	79500	2100		1808	56	1	I	3.941	08		CUSTOM ROUTE
15	79900	1610		1797	56	1	I	3.873	08		STBY 2 1651N 11406E 1+07
18	80300	2000		1795	56	1	I	3.868	08		CAM ON 1506N 10747E 1+23
21	79000	0200		1770	53	1	I	3.791	08		STBY 2 2014N 1013RE 1+43
24	79300	0080		1770	52	1	I	3.770	08		CAM ON 2119N 10209E 2+38
27	79600	0840		1736	51	1	I	3.720	08		STBY 2 1712N 10820E 2+59
30	80000	0000		1736	50	1	I	3.662	08		
33	80400	0000		1736	50	1	I	3.644	08		
36	79900	0000		1791	50	1	I	3.782	08		TOTAL CAM TIME 41 MINS
39	78400	0000		1791	50	1	I	3.855	08		
EOF											25X1

DCM

NNNNZCZC892

25X1
FTP520/100205Z ZPO [redacted]

BT

XXXXXX

25X1
OPCEM 483 [redacted]

25X1
OPCEM PASS [redacted]

10001
19744
00
21
22

25744

AP

25X1 TOP SECRET 100200Z CITE [redacted] 2219

25X1 PRIORITY [redacted]

25X1 [redacted]

A. EX 6733

B. INS-FILM CORRELATION REPORT

C. INS 010

D. 1. INS TAPE AND FILM AGREE

2. INS TAPE AND FILM AGREE

3. INS TAPE AND FILM AGREE

4. INS TAPE AND FILM AGREE

5. SATISFACTORY.

6. SATISFACTORY.

7. SATISFACTORY.

8. SATISFACTORY.

9. SATISFACTORY.

10. FILM CLOCK WAS RECORDING 2 SECONDS HIGH THROUGH MISSION.

E. SATISFACTORY CORRELATION HAS BEEN ACHIEVED ON THIS MISSION.

TOP SECRET

BT

3100167 21 372

NNNNZCZC460

25X1
FTP213/312130Z ZFF4 ZPO [redacted]

BT

XXXXX

25X1
OPCEN 432 [redacted] 049
OPCEN PASS [redacted]

DCP

RECEIVED

(AC)
2100-9

25X1
TOP SECRET 312128Z CITE [redacted] 2127

25X1
IMMEDIATE [redacted]

25X1 [redacted]

- A. BX 6733
- B. INS TAPE EVALUATION REPORT
- C. INS 010
- D. 29/1347Z
- E. 1. SATISFACTORY
- 2. SATISFACTORY
- 3. SATISFACTORY
- 4. SATISFACTORY
- 5. SATISFACTORY
- 6. SATISFACTORY
- 7. SATISFACTORY
- 8. SATISFACTORY
- 9. SATISFACTORY
- 10. SATISFACTORY

F. TAPE APPEARS GOOD. TAPE EVALUATION PERTAINS TO CAMERA
OPERATION ONLY.

TOP SECRET

BT

29/1906 2

25X1
OPCEN 301 [] 024

25X10PCEN PASS []

25X10PCEN PASS

25X1
TOP SECRET 301815Z CITE [] 107325X1
IMMEDIATE []

OXCART []

25X1

A. BX6733

B. FLASH REPORT AFTER PROCESSING

C. TYPE 1

D. C

E. THE FILM ARRIVED IN GOOD PHYSICAL CONDITION WITH NORMAL EXPOSURE WITH EXCEPTION OF INITIAL 20 PER CENT OF MISSION IN FORWARD FRAMES. THESE FRAMES WERE THE EQUIVLENT OF 1 F/STOP UNDEREXPOSED COORDINATES OF UNDER EXPOSURE WILL BE DETERMINED AND SUBMITTED IN 122 REPORT. TIMING MARKS APPEARED AS TEAR DROPS ON BOTH EDGES THROUGHOUT ENTIRE MISSION. APPROXIMATELY 1/2 OF THE FORWARD CLOCKS WERE INTO IMAGE AREA ON EVERY OTHER FORWARD FRAME THROUGHOUT ENTIRE MISSION. A MINUS DENSITY LINE, 2 1/2 INCHES IN ON TRAILING EDGE, WERE NOTED ON FIRST 20 PER CENT OF AFT FRAMES. TIMING MARKS RUN OFF OF EDGE ON LEADING EDGE IN AFT FRAMES. INTERMITTENTLY THROUGHOUT ENTIRE MISSION. CAMERA RECYCLED APPROXIMATELY 46 PERCENT INTO THE MISSION. START-UP AND SHUTDOWN WERE NORMAL WITH INITIAL TEN FRAMES AND LAST TEN FRAMES OVERLAPED. MEDIUM CONTRAST, GOOD, RESOLUTION AND OPERATIONAL DATA RECORDING WERE NOTED. CLOCK MISSING IN FRAME 66 OF MISSION IMAGERY IN PART 1.

TOP SECRET

BT

DCM

25X1

Submit to addressees specified for

report

25X1

A. BX 6733
(Operations Mission Number)

B. TYPE I CAMERA CONFIGURATION REPORT.

25X1

C. I /C/29 Oct/127 (Config./SN/Date Flown/Acft No./Pilot Pseudo. Example: I/A/NOV 28/127 MALTREVER).

D. 570 / 570
(Total frames scheduled-fwd camera & aft camera).

E. 570 / 570
(Total frames completed-fwd camera & aft camera).

F. 34041/12471275-4-2-7
(Film type/box no./emulsion no. Example: 3401/1231/245-13-3-6).

G. 5-6/YELLOW, WRATTEN 12.

H. SUN ANGLES.

BEGINNING		END	
<u>58</u>	°/	<u>52</u>	°.
<u>55</u>	°/	<u>56</u>	°.
	°/		°.

I. **CAMERA ON** **CAMERA OFF** (Date/Time ZULU. Example: 282118Z/282130Z).

0333 z/ 0353 z.

0448 z/ 0509 z.

$$z_j \quad z_s$$

J. ELAPSED TIME (MINUTES)/EXPOSURE VALUE/V/H IN MR/SECONDS. EXAMPLE: 4/200/.039.

0-4111901 039.CLOUD

The image shows three parallel horizontal black lines. Each line has a short vertical tick mark positioned exactly halfway along its length. The top and bottom lines are evenly spaced, while the middle line is slightly lower.

25X1

[REDACTED] CONT'D

- 2 -

K. N/A.

L. WEATHER. (General comment on weather during photo portions of mission).

As Briefed. 95% of Mission in Cloud Position

M. TAKE DISPOSITION (Location, shipment, or action on material - date/time ZULU.

Example: EK 290135Z or Area Security 290135Z).

25X1

BS Security 290730Z For shipment to [REDACTED]

N. COMMENTS. (Include general remarks regarding configuration operation, malfunctions or mission problems).

Successful mission

[REDACTED]

JOINT MESSAGEFORM

SECURITY CLASSIFICATION			
TYPE MSG	BOOK	MULTI	SINGLE
PRECEDENCE			
ACTION	IMMEDIATE		
INFO			

230707 03 28z

DTG

FROM		SPECIAL INSTRUCTIONS
TO:		 1 SIG CEN 1 CMDR 1 DCM 1 1 INS 1 DCO
25X1		
A. BX 6733 B. INS TAPE REPORT C. INS 010 D. DATA LINK E. SEE H F. SEE H G. 671029 014152 H. DATA GOOD WILL RETAIN TAPES UNLESS OTHERWISE NOTIFIED.		
END OF MESSAGE.		

DATE	TIME
29	YEAR
OCT	NO. OF PAGES

PHONE	
ADDRESS	
SECURITY CLASSIFICATION	INS SUPERVISOR

JOINT MESSAGEFORM - CONTINUATION SHEET

290730Z OCT 12

25X1 FROM: [REDACTED]

SECUR IMMEDIATE IMMEDIATE

25X1 TO: [REDACTED]

1 SIG CEN
 1 COMDR
 1 DCO
 1 P.E.
 1 DCO

- A. BX 6733
 B. TYPE I CAMERA CONFIGURATION REPORT
 C. I/C/29 OCT/12 [REDACTED]
 D. 570/570
 E. 570/570
 F. 3404/1247/275-4-2-7
 G. 5.6/YELLOW, WRATTEN 12
 H. 58/52
 55/56
 I. 0333Z/0353Z
 0448Z/0509Z
 J. 0-41/190/039 CLOUD
 K. NA
 L. 95% OF MISSION IN CLOUD POSITION
 M. BS SECURITY 290730Z FOR SHIPMENT TO [REDACTED]
 N. SUCCESSFUL MISSION

END OF MSG

SYMBOL	PAGE NR	NR OF PAGES	SECURITY CLASSIFICATION	INITIALS
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

DD FORM 1 MAY 55 173-1

★ U. S. GOVERNMENT PRINTING OFFICE: 1962-644744

JOIN. Sanitized Copy Approved for Release 2009/12/14 : CIA-RDP69B00041R001100030015-8

SECURITY CLASSIFICATION

FROM:

29 OCT 67 1252z

ACTION: PRIORITY

FROM: [REDACTED]

TO: [REDACTED]

INFO: [REDACTED]

1 SIG CEN
1 CMDR
1 DCM
1 INS
1 DCO

SUBJ: [REDACTED]

- A. MISSION NBR 6733
- B. FINAL EVALUATION OF INS DATA
- C. INS ~~010~~
- D. DATA STARTS LINE 12, TIME ~~02086~~.
- E. DATA ENDS LINE 1103, TIME 16580.

END OF MESSAGE

29 OCT, 1967

PAGE NR	NR OF PAGES	SECURITY CLASSIFICATION	INITIALS
1	1		

* U. S. GOVERNMENT PRINTING OFFICE: 1962—644744

DD FORM 173-1
1 MAY 55

Sanitized Copy Approved for Release 2009/12/14 : CIA-RDP69B00041R001100030015-8

Page Denied

Next 2 Page(s) In Document Denied

Sanitized Copy Approved for Release 2009/12/14 : CIA-RDP69B00041R001100030015-8

24 HOUR GENERATION CHECKLIST (CONT) MISSION NUMBER

JOINT MESSAGEFORM - CONTINUATION SHEET

~~TOP SECRET~~

FROM:

28 JUN 67 ZJ 58
IMMEDIATE

TO:

OXCART/BLACKSHIELD/MATERIEL

A. SPECIAL FUEL TEST REPORT (2 1/2 HOUR PRE-FLIGHT) BX 6733

B. 099 0550L/29 SPARE

094 0600L/29 SPARE

086 0610L/29

084 0615L/29

089 0625L/29

512 0635L/29

112 0820L/29

C. FUEL TESTED IN PARA B QUAL IAW SECTION VII TEST CRITERIA

END OF MESSAGE

DOM COORD LLC

DRAFTER

MISSION COORDINATOR

SYMBOL

PAGE
NRINK OF
PAGESSECURITY
CLASSIFICATION~~TOP SECRET~~

INITIALS

JOINT MESSAGEFORM - CONTINUATION SHEET

~~TOP SECRET~~~~IMMEDIATE~~

FROM:

IMMEDIATE

TO:

0035

OXCART/BLACKSHIELD/MATERIEL

A. SPECIAL FUEL TEST REPORT (POST REFUEL) BX 6733

1 SIG CEN
1 OMDR
1 DCM
~~1 OP~~
1 POL

B. 086 1940L/28

089 2010L/28

512 2025L/28

084 2220L/28

094 2230L/28 SPARE

112 2310L/28

099 2330L/28 SPARE

C. FUEL TESTED IN PARA B QUAL IAW SECTION VII TEST CRITERIA

2 NOV 67 1436Z

END OF MESSAGE

DCM COORD RJSDRAFTER
RELEASER

MISSION COORDINATOR

25X1
25X1

DD FORM 1 MAY 55 173-1

PAGE
NRNR OF
PAGES

SECURITY CLASSIFICATION

INITIALS

~~TOP SECRET~~

TOP SECRET

FROM: Mission Coordinator

29 OCT 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held
in the Operations Briefing Room on N/A 196 — at— L. The briefing concerns the following:

1. Mission Code Name and Number: BX 6733
2. Date/Time of Launch (H-Hour): 29 10210 Z 1110 L.
3. Ground Spare (H+1:00): 29 10310 Z 1210 L.
4. Bases: Takeoff KAD Staging — Landing KAD.
5. Equipment required: TYPE I CAMERA, B.W. PIN PEG,
MAD MOTH, BLUE DOG II, SYSTEM VI
6. Ground Spare Requirements: SAME AS PRIMARY.

7. Special Instructions/Comments: THESE WILL BE NO CMDR'S
BRIEFING. IF YOU HAVE ANY COMMENTS OR PROBLEMS
PLEASE SUBMIT THEM TO MSN COORD. IN WRITING.
 FOR THE COMMANDER

Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	Recipient
CMDR			DCOL		
DCO			DCOC/MC		
DCM			DCOMI		
DCS			DCOW		
SECUR			COMMO		
FLT SURG			AFCS		(Notify Only)
DCOM			TTFC(SAC)		(Notify Only)

TOP SECRET

2800 00 002

TTTZZZC122
777/272325Z ZFF-1
BT
XXXX
25X1 652

MM *AFA*
BD *ABY*
PP *ABY*
SYS *STA*
SIP

2800 00

25X1 T O P S E C R E T 272307Z CITE [REDACTED] 2743

25X1 IMMEDIATE [REDACTED]

25X1

A. BX 6733
B. EWS SETTINGS MESSAGE
C. EWS EQUIPMENT TO BE INSTALLED: PIN PEG, MAD MOTH, BLUE DOG II.

D. MODE OF MAD MOTH TURN ON: MAD MOTH ONLY (MODE 5)

E. (1) PIN PEG PARAMETERS:

(A) RF - ACCEPT THE FOLLOWING:

(S BAND) 2840 TO 3065

(C BAND) 4910 TO 5290

(D BAND) PULSE WIDTH - ACCEPT THE FOLLOWING:

PULSE WIDTHS 1.0 TO 1.2 MICROSECONDS.

(C) PRF - ACCEPT THE FOLLOWING:

AT "S" BAND PRFS FROM 2350 TO 2530 PULSES PER SECOND.

AT "C" BAND PRFS FROM 1742 TO 2670 PULSES PER SECOND.

(D) SCAN RATE - ACCEPT THE FOLLOWING:

"S" BAND - SCAN RATES FROM 13.5 TO 18.5 SCANS PER

SECONDS

"C" BAND - NO SCAN SORTING

THE SCAN RATE BYPASS CIRCUIT IS NOT TO BE USED. (CONSTANT

TRACK SIGNALS AT "S" BAND SHOULD NOT ACTIVATE PIN PEG.)

(D) MAD MOTH PARAMETERS:

(A) MODULATION TECHNIQUES TO BE USED:

ANGLE WALK OFF (AWO)

RANDOM BLANKING TECHNIQUE (RET) (*AN Logic*)

AMPLITUDE MODULATION TECHNIQUE (AMT)

(E) BLUE DOG PARAMETERS:

(A) RECEIVER SET TO MAXIMUM SENSITIVITY

(B) ACTIVE REPLY TO QUALIFIED SIGNALS

F. SIP CHANNEL THRESHOLD SETTINGS:

CHANNEL	SETTING
---------	---------

0-L	MINIMUM SENSITIVITY
-----	---------------------

0-R	MINIMUM SENSITIVITY
-----	---------------------

1-L	MINIMUM SENSITIVITY
-----	---------------------

1-R	MINIMUM SENSITIVITY
-----	---------------------

2-L	MINIMUM SENSITIVITY
-----	---------------------

2-R	MINIMUM SENSITIVITY
-----	---------------------

3-L	MINIMUM SENSITIVITY
-----	---------------------

3-R	MINIMUM SENSITIVITY
-----	---------------------

4-L	MINIMUM SENSITIVITY
-----	---------------------

4-R	MINIMUM SENSITIVITY
-----	---------------------

5-	MINIMUM SENSITIVITY
----	---------------------

5-	(-) 30 DBM
----	--------------

6-	MINIMUM SENSITIVITY
----	---------------------

6-L	(-) 35 DBM
-----	--------------

6-R	(-) 36 DBM
-----	--------------

7-L	(-) 29 DBM
-----	--------------

7-R	(-) 29 DBM
-----	--------------

8-L	(-) 27 DBM
-----	--------------

8-R	(-) 27 DBM
-----	--------------

9-L	(-) 30 DBM
-----	--------------

9-R	(-) 30 DBM
-----	--------------

10-L	(-) 30 DBM
------	--------------

10-R	(-) 30 DBM
------	--------------

11-	(-) 30 DBM
-----	--------------

12-	(-) 30 DBM
-----	--------------

MINIMUM SENSITIVITY MEANS MAXIMUM THRESHOLD SETTING (AS MUCH

ATTENUATION AS POSSIBLE.)

G. SYSTEM VI OR SIP ON AND OFF POINTS ARE AS FOLLOWS:

(1) SYSTEM VI OR SIP ON, ROUTE LINE SEGMENT NUMBER (RLSG)

PCM1/200.

(2) SYSTEM VI OR SIP OFF, ROUTE LINE SEGMENT NUMBER (RLSG)

1101/200.

H. REMARKS: EWS ON AND OFF TIMES ARE AS FOLLOWS:

(1) EWS ON WHEN PASSING 50% ON CLIMB OUT FROM ALL AERIAL

REFUELINGS.

(2) FIRST EWS OFF POINT, ROUTE LINE SEGMENT NUMBER (RLSG)

PCM1/200. SECOND EWS OFF POINT, ROUTE LINE SEGMENT NUMBER

(RLSG) 081/100.

(3) THE PIN PEG PARAMETERS AND THE MAD MOTH MODULATION TECHNIQUES

ARE SELECTED TO INCLUDE THE THREAT. EQUIPMENT AND ADJUSTMENTS SUCH

AS RF FILTERS, PRF GATES ETC SHOULD BE CHOSEN IN THE BEST MANNER

TO INCLUDE THE MENTIONED PARAMETERS.

(4) SYSTEM VI WILL REPLACE SIP ON BOTH THE PRIMARY AND SECONDARY

ARTICLES. (IF SYSTEM VI IS OPERATIONAL). SIP SETTINGS LISTED ABOVE

DO NOT APPLY WHEN USING SYSTEM VI.

T O P S E C R E T

BT

Dcm

272000Z 21 OCT 67

ZCZG#96

740/272110Z ZFF-2

BT

XO X7 X

25X1

415

RECD

25X1
TOP SECRET 272101Z CITE [] 2727

25X1 IMMEDIATE []

25X1

FOR CABLE - EYES ONLY COMMANDER

- A. BX6733
- B. MISSION ALERT MSG
- C. [] 000000Z OCT 67
- D. []
- E. NORTH VIETNA
- F. TYPE I, CAMERA, BIRDWATCHER, PIN PEG, MAD MOTH, BLUE DOG II, SYSTEM VI.
- G. BACK-UP AIRCRAFT REQUIRED. SAME EQUIPMENT AS PARA F.
- H. DTFC TO LAUNCH BACK-UP ACFT AT APPROX 0310Z/29 OCT 67 IN EVENT PRIMARY ACFT GROUND/AIR ABORTS. THIS ALERT FOR BLACK SHIELD CUSTOM ROUTE PLANNED FOR EX6730 AS PRIMARY ROUTE. OPTION ROUTE WILL BE BLACK SHIELD CANNED ROUTE NUMBER 22B. FIRST PASS FOR OPTION MISSION WILL BE ROUTE ONE ALFA; SECOND PASS FOR OPTION MISSION WILL BE ROUTE TWO BRAVE. A-50 ADDITIVE WILL NOT BE USED ON THIS MISSION. ROUTE DECISION WILL BE PROVIDED DTFC APPROX 1300Z/28 OCT 67.
- I. GREY START INFORMATION/COORDINATION TO BE SUBMITTED AGAINST PRIMARY ROUTE: I.E/CUSTOM BX6730.

TOP SECRET

21
D
10/27/67